

# Abstracts

## Notch Filters with Variable Center Frequency and Attenuation

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S. Toyoda. "Notch Filters with Variable Center Frequency and Attenuation." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 595-598.

This paper describes notch filters whose center frequencies and the maximum attenuation are variable. Three different types of the filters using varactor diodes and GaAs FETs are proposed and tested at 2 - 4 GHz bands. The tunability over 2.2 - 4 GHz is obtained by changing the junction capacitances of varactor diodes, and the maximum attenuation over 15 - 60 dB is obtained by changing the inner resistances of FETs.

[Return to main document.](#)